

KONDRASHOV, V. I.

"Theories of Boundary and Eigen-Value Problems for Variational and
Differential Equations in Regions with Degenerate Contours," thesis for degree of
Dr. Physico-Mathematical Sci., Math. Inst. im. Steklov, AS USSR. Submitted
22 June 50.

Summary # 71, 4 Sep 52

KONDRASOV, V. I.

Kondrakov, V. I. The behavior of functions from L_p on manifolds of different dimensions. Doklady Akad. Nauk SSSR (N.S.) 72, 1009-1012 (1950). (Russian)

This is a continuation of the author's investigation given in two earlier papers [C. R. (Doklady) Acad. Sci. URSS 48, 535-538 (1945); 51, 415-418 (1946); these Rev. 8, 32, 77] concerned with the space L_p of functions of n variables which together with their partial derivatives of order at most ν have an L_p -norm. The functions are defined in a domain in a Euclidean space with a boundary $\sum_n S_{n-k}$, where each S_{n-k} is an $(n-k)$ -dimensional manifold. If the manifold S_{n-k} satisfies certain conditions of smoothness, the author asserts that a certain type of strong convergence on S_{n-k} of a sequence of functions and their partial derivatives up to a certain order implies the convergence almost everywhere (with respect to measure on S_{n-k}) of these functions and their partial derivatives. He also gives some results to the effect that the unit sphere in L_p is compact in certain other spaces.

A. C. Offord (London).

Vol XIV No 2, Feb 1953 pp 121-232
Sov MATHEMATICAL REVIEW (Unclassified)

KONDRAŠOV, V. I.

Mathematical Reviews
Vol. 15 No. 1
Jan. 1954
Analysis

7-13-54

LL

Kondrašov, V. I. On the theory of nonlinear and linear problems on characteristic values. Doklady Akad. Nauk SSSR (N.S.) 90, 129-132 (1953). (Russian)

Let W be the class of real functions $u(x)$ ($x = x_1, \dots, x_n$), defined in a domain D bounded by manifolds S_{n-s} of dimensions $n-s=1, \dots, n-1$, which possess partial derivatives y_1, \dots, y_s of order m whose p th powers are integrable in D . Let $F(u)$ be a polynomial of degree p in the $|y|$ whose coefficients are functions of x and let $G(u)$ be a similar expression in terms of derivatives of orders $\leq m-\lambda$, the degree being q , subject to $1 \leq \lambda \leq m$; $1 < q < np(n-p\lambda)^{-1}$ and to the restriction of admissibility, i.e., integrability of $F(u)$ and $G(u)$ in D for each $u \in W$.

The author considers the problem of minimum of $\int_D F(u) dx$ for functions $u \in W$ subject to $\int_D G(u) dx = 1$ and to the partial derivatives of orders $< m - (s/p)$ vanishing in the mean on S_{n-s} , and announces a number of propositions, which generalize the quadratic case $p=q=2$ and which connect the problem to eigen-values and eigen-functions. The absence of proofs and the condensed form of the definitions, together with a probable misprint in equation (1), detract somewhat from the clarity of the text.

L. C. Young (Madison, Wis.).

164900

35552
S/020/62/142/006/003/019
B112/B108

AUTHOR: Kondrashov, V. I.

TITLE: Theory of boundary value problems with boundary conditions containing parameters

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 142, no. 6, 1962, 1243-1246

TEXT: The author investigates the variational problem

$$\int_D \cdots \int_{\sum a_i = l}^n \sum_{i=0}^n \frac{\partial F_v^p(u)}{\partial u_{a_1, \dots, a_n}} \xi'_{a_1, \dots, a_n} dv = \int_D \cdots \int_{\sum a_i = l}^n F_v^{p-1,1}(u, \xi) dv = 0, \quad (1)$$

with the boundary conditions

$$\int_D \cdots \int_{S_{n-s}^c}^n F_v^{p-1,1}(u, \eta) dv - \mu \sum_{s=1}^n \lambda_s \int_{S_{n-s}^c}^n p_s(x_1, \dots, x_n) F_{v_s}^{q_s-1,1}(u, \eta) dS_{n-s} = 0; \quad (2)$$

$$\sum_{s=1}^n \int_{S_{n-s}^c}^n p_s(x_1, \dots, x_n) F_{v_s}^{q_s}(u) dS_{n-s} = 1 \quad (3). \checkmark$$

Card 1/2

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210009-5

Theory of boundary value ...

S/020/62/142/006/003/019
B112/B108

Five theorems of existence of solutions are given without proofs. The author proved his theorems by methods which have been developed in earlier publications. There are 19 references: 16 Soviet and 3 non-Soviet.

ASSOCIATION: Moskovskiy inzhenerno-fizicheskiy institut (Moscow Institute of Physical Engineering)

PRESENTED: July 20, 1961, by S. L. Sobolev, Academician

SUBMITTED: July 8, 1961

Card 2/2

37375
S/020/62/143/006/004/024
B125/B112

16.3500

AUTHOR:

Kondrashov, V. I.

TITLE:

Theory of boundary value problems in regions with degenerate contours for partial variational and differential equations

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 6, 1962, 1268-1271

TEXT: New results on boundary value problems of variational and differential equations in regions D are given. The functions that produce the functional spaces $W_{p_1 \dots p_k}^{m_1 \dots m_k}$ introduced by the author (Doktorskaya dissertatsiya, Matem. inst. im. V. A. Steklova AN SSSR, 1948) are defined in D , and have generalized derivatives up to and including the m_k -th order. m_1, m_2, \dots, m_k are the orders of the derived functions of these spaces which, in the region D , are summable with the powers p_1, p_2, \dots, p_k . In this case, $W_{p_1 \dots p_k}^{m_1 \dots m_k} = W_{p_1}^{m_1} \cdot W_{p_2}^{m_2} \dots W_{p_k}^{m_k}$. The first boundary value problem

Card 1/3

Theory of boundary value ...

8/020/62/143/006/004/024
B125/B112

with the boundary conditions

$$u|_{S_{n-s}} = \varphi_0, \dots, \dots, \frac{\partial^{m-\lceil(s+b_s)/2\rceil-1} u}{\partial x_n^{m-\lceil(s+b_s)/2\rceil-1}} = \varphi_0, \dots, m-\lceil(s+b_s)/2\rceil-1 \quad (6)$$

has the solution $\in W^{2m}$, b_1, \dots, b_n . The properties of the spaces

W^m , b_1, \dots, b_n discussed here were also applied to the theory of systems of hyperbolic equations.

ASSOCIATION: Moskovskiy inzhenerno-fizicheskiy institut (Moscow Engineering Physics Institute)

PRESENTED: July 20, 1961, by S. L. Sobolev, Academician

SUBMITTED: July 8, 1961

Card 3/3

KONDRASHOV, V.I.

Theory of boundary value problems in regions with a degenerated contour for variational and partial differential equations.
Dokl. AN SSSR 143 no.6:1268-1271 Ap '62. (MIRA 15:4)

1. Moskovskiy inzhenerno-fizicheskiy institut. Predstavлено
akademikom S.L.Sobolevym.
(Boundary value problems) (Calculus of variations)
(Differential equations, Partial)

L 27655-66 EWT(d) 15r(c)

ACC NR: AP6018491

SOURCE CODE: UR/0020/65/165/006/1231/1234

AUTHOR: Kondrashov, V. I.

ORG: Moscow Engineering Physics Institute (Moskovskiy inzhenero-fizicheskiy institut)

TITLE: Boundary value problems for differential and integrodifferential equations in special functional spaces

SOURCE: AN SSSR. Doklady, v. 165, no. 6, 1965, 1231-1234

TOPIC TAGS: boundary value problem, differential equation, mathematic space

ABSTRACT: A correspondence is set up between a functional space and a class of partial differential equations defined by its metric. The properties of the functions of this space lead to natural formulations of boundary value problems for these equations and their solution. The variational method is used to solve problems in the space $W^{m_1 \dots m_k}_{p_1 \dots p_k}$, and the author notes thatproblems in the space $W^{m_1 \dots m_k}_{p_1 \dots p_k}$ are similar. This paper was presented by

Academician by S. L. Sobolev on 5 August 1965. Orig. art. has: 6 formulas. [JPRS]

SUB CODE: 12 / SUBM DATE: 04Aug65 / ORIG REF: 010

Card 1/1 CC

UDC: 517.54 517.946.9/513.881

KONDRASHOV, V.M., inzh.

New hydraulic giants with remote control. Gor. zhur. no.2:
52-55 F'62. (MIRA 17:2)

1. Tsentral'nyy nauchno-issledovatel'skiy gorno-razvedochnyy
institut Moskva.

KONDRASHOV, V.M.

New apparatuses for the determination of air dustiness. Kolyma
21 no.2:26-29 P '59. (MIRA 12:7)

l.TSentral'nyy nauchno-issledovatel'skiy gorno-razvedochnyy
Institut.
(Mine dusts) (Dust collectors)

KONDRASHOV, V.N.

Semi automatic circular saws for cutting heads of boxes. Der. prom.
12 no.3:24. Mr '63 (MIRA 16:5)

1. Murmanskiy bondarnyy zavod.
(Boxes) (Circular saws)

KONDRASHOV, V.N.

Chamber for drying the spachtling on staves. Der.prom. 14
no.11:24 N '65. (MIRA 18:11)

1. Murmanskiy lesotarnyy kombinat.

ACCESSION NR: AP4012958

S/0020/64/154/004/0757/0759

AUTHORS: Gal'pern, S.A.; Kondrashov, V.Ye.

TITLE: Cauchy problem for a differential operator decomposing into wave factors

SOURCE: AN SSSR. Doklady*, v.154, no.4, 1964, 757-759

TOPIC TAGS: cauchy problem, wave equation, differential operator, differential equation, partial derivative, mathematical physics, plane wave

ABSTRACT: This work is devoted to the Cauchy problem for the equation

$$\mathcal{L}u = \prod_{k=1}^n \left(\frac{\partial^2}{\partial t^2} - \frac{1}{a_k^2} \Delta \right)^{r_k} u(x, t) = 0, \quad (1)$$

where

$$a_1 > a_2 > \dots > a_n > 0; \Delta = \sum_{j=1}^n \frac{\partial^2}{\partial x_j^2}; x = (x_1, \dots, x_n).$$

Let $2m$ be the order of equation (1); $m = r_1 + r_2 + \dots + r_n$. The in-

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ACCESSION NR: AP4012958

initial conditions are such that

$$\left. \frac{\partial^s u}{\partial r^s} \right|_{r=r_1} = f_s(x), \quad s = 0, 1, \dots, 2m-1. \quad (2)$$

The solution to this equation can be obtained if the solution to the problem with such initial conditions is such that

$$\left. \frac{\partial^s u}{\partial r^s} \right|_{r=r_0} = 0, \quad s = 0, 1, \dots, 2m-2, \quad (3)$$

$$\left. \frac{\partial^{2m-1} u}{\partial r^{2m-1}} \right|_{r=r_0} = f(x). \quad s = 2m-1.$$

are known. In the case where $r_1=r_2=\dots=r_0=1$, the solution can be obtained by means of the classical Herglotz-Petrovskiy formulas for a homogeneous and strictly hyperbolic equation. It is of some interest to obtain formulas for solving the problem through the spherical means of the initial functions, i.e. formulas which are analogous to the generally known formulas, yielding a solution to the Cauchy problem for a wave equation. The authors obtained such formulas for the solution of (1) with unrestricted r_k . These formulas help to determine precisely the degree of smoothness of the initial functions. They are also useful in solving the problem of the nature of the

Card 2/3

ACCESSION NR: AP4012958

relationship of a solution to the equation in the apex of the characteristic cone to the values of the initial functions in each of those domains on which the surface of the characteristic cone lays out the plane of the initial data, i.e. when some of these domains will be gaps or weak gaps. The Cauchy problem with initial conditions of the general form (2) can be reduced to a Cauchy problem (3) and solution of the problem (2) is a linear combination of solutions of the type (3) and their derivatives with respect to t. Orig. art. has: 5 equations.

ASSOCIATION: Moskovskiy gosudarstvenny universitet im. M.V.
Lomonosova (Moscow State University)

SUBMITTED: 31Oct63

DATE ACQ: 26Feb64

ENCL: 00

SUB CODE: MM

NR REF Sov: 003

OTHER: 001

Card 3/3

KONDRASHOV, V.Ye.

Fundamental solutions to problems correct in a half-space for
certain regular equations with multiple characteristics. Sib.
mat.zhur. 6 no.2:323-341 Mr-Ap '65. (MIRA 18:5)

L 20686-66 EWT(d) IJP(c)

ACC NR: AP6012002

SOURCE CODE: UR/0199/65/006/002/0323/0341

AUTHOR: Kondrashov, V. Ye.

ORG: none

32
31
B

TITLE: Fundamental solutions to problems correct in a half-space for certain regular equations with multiple curves

SOURCE: Sibirski¹⁶ matematicheskiy zhurnal, v. 6, no. 2, 1965, 323-341

TOPIC TAGS: differential equation, wave equation, La Place equation, Schroedinger equation

ABSTRACT: Let

$$Lu(x, t) = \left[\frac{\partial^m}{\partial t^m} - \sum_{k=0}^{m-1} p_k \left(i \frac{\partial}{\partial x_1}, \dots, i \frac{\partial}{\partial x_n} \right) \frac{\partial^k}{\partial t^k} \right] u(x, t) = 0 \quad (1)$$

be a differential equation with constant coefficients. Equation (1) is said to be regular (to be more precise, 0-regular) if for all σ values from the real space R_n the algebraic equation

$$\lambda^m - \sum_{k=0}^{m-1} p_k(\sigma_1, \dots, \sigma_n) \lambda^k = 0 \quad (2)$$

has one and the same number r of roots $\lambda_1(\sigma), \lambda_2(\sigma), \dots, \lambda_r(\sigma)$ with a
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UDC: 517.946

L 20686-66

ACC NR: AP6012002

nonpositive real part; r is said to be the order or regularity of equation (1). G. V. DIKOPOLOV and G. Ye. SHILOV indicated a problem, correct in the half-space $t > 0$, which is defined by the initial conditions

$$\frac{\partial^s u(x, 0)}{\partial t^s} = u_s(x) \in H, \quad s = 0, 1, \dots, r-1, \quad (3)$$

where H is the space of all functions from $L_2(X)$ and their generalized derivatives of any (finite) order, and r is the order of regularity of equation (1). The function $G(x, t)$, satisfying the conditions is said to be a fundamental solution to such a correct problem.

$$LG(x, t) = 0, \quad \frac{\partial^s G(x, 0)}{\partial t^s} = \begin{cases} 0, & s = 0, 1, \dots, r-2, \\ \delta(x), & s = r-1, \end{cases} \quad (4)$$

where $\delta(x)$ is a δ -function. Equation (1) is said to be homogeneous if $(\sigma'_1, \dots, \sigma'_n)$ are homogeneous forms, of degree $m - k$, of $\sigma'_1, \sigma'_2, \dots, \sigma'_n$ (e.g., the wave equation and Laplace's equation) and quadratically homogeneous if they are homogeneous forms, of degree $2m - 2k$, of the same variables (e.g., the heat-conduction equation and Schrodinger's equation).

G. Ye. SHILOV constructed the function $G(x, t)$ for homogeneous equations (1) on the assumption that for equation (2) the roots $\lambda_1(\sigma'), \lambda_2(\sigma'), \dots, \lambda_r(\sigma')$ are all distinct. As a supplement to SHILOV's method it is possible to construct $G(x, t)$ for

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L 20686-66
ACC NR: AP6012002

homogeneous and quadratically homogeneous equations (1) without any limitations on the multiplicity of roots $\lambda_1(0), \dots, \lambda_r(0)$ of equation (2), and it is to this question that the present article is mainly devoted. The author states that he limits himself to the case of two independent variables x and t , since multi-dimensional problems reduce to two-dimensional problems by the decomposition of the ϕ -function into plane waves. Section 2 of the article presents formulas expressing solution to problem (4) for homogeneous equations (1); these formulas are used to prove four theorems relating to the properties of the solutions to problem (1). Section 3 presents such formulas for quadratically homogeneous equations (1). The author thanks G. Ya. Shilov for bringing up questions and for valuable advice. Orig. art. has: 42 formulas. [JPRS]

SUB CODE: 12 / SUBM DATE: 26Feb64 / ORIG REF: 006

Card 3/3 BK

L 00383-66 EWT(1)/EWP(m)/FCS(k)/ETC(m)/EWA(1) WW

ACCESSION NR: AP5021269

UR/0020/65/163/005/1107/1109

AUTHORS: Zaguskin, V. L.; Kondrashov, V. Ye. 44, 55 46B

TITLE: Calculation of heat conduction and gas dynamics equations by passing along isolated regions

SOURCE: AN SSSR. Doklady, v. 163, no. 5, 1965, 1107-1109

TOPIC TAGS: heat conduction, gas dynamics, difference equation, boundary condition, stability criterion

ABSTRACT: The solutions of the heat conduction and gas dynamics equations using difference equations are discussed. The heat conduction equation is given by

$$\frac{\partial u}{\partial t} = a \frac{\partial^2 u}{\partial x^2}; \quad a = \begin{cases} a_1, & \text{if } x < 0, \\ a_2, & \text{if } x > 0 \end{cases}$$

subject to boundary conditions

$$\begin{aligned} a_1 u + \beta_1 \partial u / \partial x &= 0 \quad (x = -l_1); \quad a_2 u + \beta_2 \partial u / \partial x = 0 \quad (x = l_2); \\ u_{-0} &= u_{+0}; \quad a_1 \partial u / \partial x|_{x=-0} = a_2 \partial u / \partial x|_{x=l_0}. \end{aligned}$$

These equations are written in difference form and the following two necessary conditions are derived for stability of the solution

$$a_1/h_1 > a_2/h_2 \quad (c \rightarrow 0)$$

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ACCESSION NR: AP5021269

$$a_1 \geq a_2 \quad (c \rightarrow \infty).$$

The gas dynamics equations are expressed by

$$\frac{\partial u}{\partial t} + v_0 \frac{\partial u}{\partial x} = 0,$$

$$\frac{\partial v}{\partial t} - v_0 \frac{\partial u}{\partial x} = 0, \quad p = Av^{-\gamma}.$$

The corresponding necessary conditions for stability are given by

$$\frac{v_1 - h_1}{v_{s1} - \gamma_1} < \frac{v_2 - h_2}{v_{s2} - \gamma_2} \quad \left(s \frac{\tau}{h} \rightarrow 0 \right);$$

$$\frac{s_1}{\gamma_1} < \frac{s_2}{\gamma_2}, \quad s = \sqrt{\gamma p v} \quad \left(s \frac{\tau}{h} \rightarrow \infty \right).$$

This second condition becomes almost a sufficient condition if $s(\tau/h) \ll 1$. Orig.
art. has: 15 equations.

ASSOCIATION: none

SUBMITTED: 01Dec64

ENCL: 00

SUB CODE: MA, ME

NO REF SOV: 003

OTHER: 000

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Card 2/2

L 12920-65 SWT(1)/EWG(E)/SEC(t) Pz-6... IJP(c) AF ASD(a)-5/AFMD(t)/
ACCESSION NR: AP4045297 SSD/AFMD/PAEM(a). ESD(dp) S/0048/64/028/009/1444/1449
SSD/AFMD/PAEM(a). ESD(dp)

AUTHOR: Kondrashov, V.Ye.; Shefov, A.S.

title: A method for determining the optical constants and thickness of semitransparent layers. Optical constants of a multi-alkali photocathode. Report, Tenth Conference on Cathode Electronics held in Kiev, 11-18 Nov 1963

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.9, 1964, 1444-1449

TOPIC TAGS: absorption coefficient, refractive index, thin film, photocathode, absorption band

ABSTRACT: A method is described for measuring the thickness and optical constants (refractive index and absorption coefficient) of an absorbing layer on a transparent support. The measurements are to be performed by the three-intensity method of D. Male (Ann. Physik 12^e Ser. 9, 10, 1954) at wavelengths for which the absorption is sufficient to enable the method to give accurate results, and by the two-intensity method of H. Murrmann (Z. Phys. 80, 161, 1932) at other wavelengths. The thickness of the film obtained from the three-index measurements is to be used in the reduction of the two-index measurements. The tedious graphical computations required to extract

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ACCESSION NR: AP4045297

2

the optical constants and thickness from the measured reflection and transmission coefficients are described in detail. The thickness and optical constants of a series of sensitive multi-alkali photocathodes containing Sb, K, Na and Cs were measured by the proposed method. The photocathodes ranged in thickness from 232 to 360 Å and the measurements were extended over the wavelength range from 4000 to 8500 Å. The results obtained from the two- and the three-intensity methods at the shorter wavelengths are compared and found to be in good agreement. The reflection coefficient of a 232 Å layer on an aluminum surface was calculated over the full wavelength range from the measured optical constants of a similar layer on glass and the known optical constants of aluminum. Excellent agreement was obtained. Concerning the multi-alkali photocathodes, it is concluded that they are most sensitive when they are from 300 to 350 Å thick, that they have a single absorption band in the region of greatest sensitivity, and that the absorption coefficient is independent of thickness. Concerning the proposed measurement procedure, it is concluded that it is applicable provided there is an accessible region of wavelengths in which the absorption coefficient is greater than 0.5. "In conclusion, we take the occasion to express our deep gratitude to A.Ye.Melamid, Candidate in Technical Sciences, for a number of valuable suggestions during the course of the work, and to Ye.V.Fursova for assistance in calculating the theoretical curves." Orig.art.has:

2/3

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210009-5

ACQUISITION NR: AP4045297

18 schedules, 7 figures and 3 tables.

ACQUISITION DATE:

ENCL: 00

NR REF S/N

OTHER: 005

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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210009-5"

KONDRAHOV, Ye.Ye.

Processing pyrolysis tar without separating overhead fractions.
Koks i khim. no.1:46-47 '62. (MIRA 15:2)

1. Yasinovskiy koksokhimicheskiy zavod.
(Coal-tar products)

L 40780-66 EWT(l)/EWT(m)/EP(t)/ETI/EFP(k) IJP(c) JD/RW
ACC NR: AP6018617 SOURCE CODE: UR/0420/65/000/004/0132/0137

AUTHOR: Kondrashov, Yu. T.

ORG: Kharkov aviation institute (Khar'kovskiy aviatsionnyy institut)

TITLE: Generalizing the relationship between stress, deformation and temperature during plastic flow of metals

SOURCE: Samoletostroyeniye i tekhnika vozduzhnogo flota, no. 4, 1965, 132-137

TOPIC TAGS: plastic flow, temperature characteristic, metal deformation

ABSTRACT: The author uses generalized three-dimensional diagrams in stress-deformation-temperature coordinates for various types of steel at a given deformation rate to determine the exponent m in the power function $\sigma_i = Ae_i^m$, where the coefficients A and m depend on temperature, material and deformation rate. Graphs for m as a function of temperature are plotted and analyzed to give the approximate linear relationship $m = a + bT$, where a and b are defined for each individual material and degree of deformation. The value of m may then be used to find the coefficient A as a function of temperature. Analysis of graphs for this function give the approximate linear relationship $A = k + lT_i$, where k and l depend on the given material. Substitution of the formulas for m and A in the original formula gives $\sigma_i = (k + lT_i) e_i^{a+bT_i}$, which may be used for determining the most economic conditions for material deformation. Orig. art. has: 5 figures, 2 tables, 7 formulas.

SUB CODE: 13, 2011 SUBM DATE: none/ ORIG REF: 006/ OTH REF: 001

Card 1/1 MLP

L 40781-66 EWT(l)/EWT(m)/EWP(t)/ETI/EWP(k) IJP(c) JD
ACC NR: AP6018618 SOURCE CODE: UR/0420/65/000/004/0138/0141

AUTHOR: Kondrashov, Yu. T.

ORG: Kharkov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

TITLE: Effect of temperatures on the change in the rigidity factor along the broaching edge of a die

SOURCE: Samoletostroyeniye i tekhnika vozduzhnogo flota, no. 4, 1965, 138-141

TOPIC TAGS: die yield stress, plastic flow

ABSTRACT: The author describes metal flow along the broaching edge of a die in a toroidal coordinate system. An expression is given for the rigidity factor with a given field of velocities. Since the law for the change in temperature along the broaching edge of the die is analogous to the law for the change in yield stress, graphs are given for the change in the rigidity factor at the edge of the die for various types of changes in yield stress: linearly increasing, linearly decreasing and parabolic with extrema at the beginning, at the end and in the center. It is shown that the most favorable conditions from the standpoint of pressability are linearly decreasing and parabolic with the maximum point at the beginning where the yield stress decreases with a reduction in radius. Orig. art. has: 4 figures, 2 tables, 8 formulas.

SUB CODE: 13, 20/ SUBM DATE: none/ ORIG REF: 002

Card 1/1 11/68

KONDRASHOVA, A.

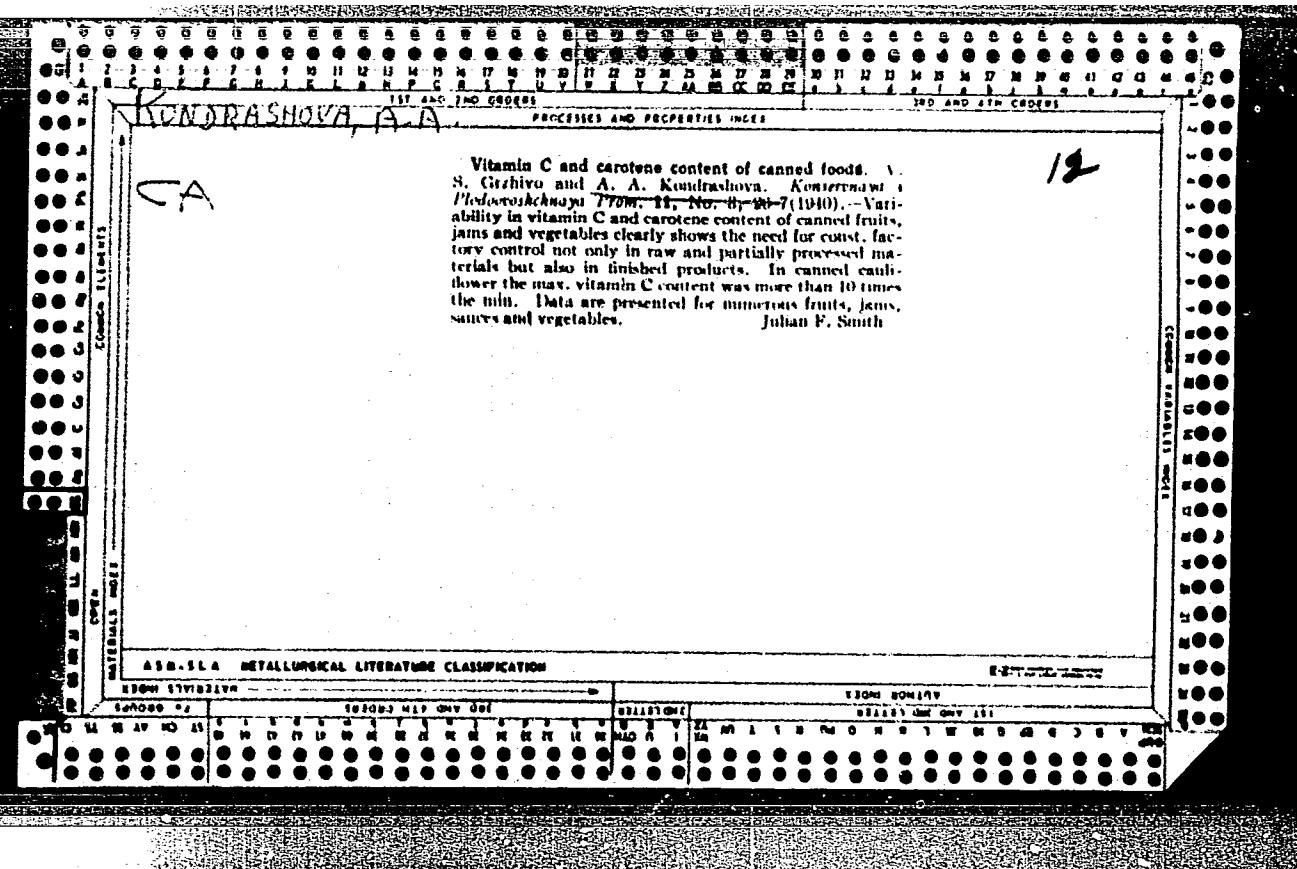
Vaccination of newborn infants with live polio vaccine. Vestis Latv.
ak no.9:129-138, '61.

1. Akademija nauk Latvijskoy SSR, Institut mikrobiologii.

BAKLAGINA, Yu.G.; VOL'KENSHTEYN, M.V.; KONDRASHOV, Yu.D.

X-ray study of 1-methyl-5-bromouracil and 9-methyladenine complex.
(MIRA 18:5)
Biofizika 10 no.1:165-166 '65.

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR, Leningrad.



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		<p>Changes in vitamin content in the canning of vegetables. V. S. Grishkev and A. A. Kondrashova. <i>Konser. i Pledo-</i> <i>ovsch. Prosv.</i>, 11, № 3/6, 24-9 (1940); <i>Clesm. Zatr.</i> 1941, III, 2255-6; <i>cl. C. A.</i>, 36, 52061.—Spinach contg. 0.1-29 mg. % vitamin C loses 00-62% by blanching. Losses (based on original values) are, resp., 75-77, 81, 87-93 and 91% for 0, 1, 4 and 10 months' storage. Carotene remains unchanged. Thiamine (3.51 γ/g.) and riboflavin (4.4 γ/g.) losses in blanching are, resp., 17 and 21%, and there is no further loss during the first 4 months' storage. Green peas (40.8-64.08 mg. %) lose 30% vitamin C in blanching, 25-35% by sterilization, and 21% after 3.5 months' storage. The carotene content (0.29-0.63 mg. %) remains practically unchanged. Thiamine (4.08-7.38 γ/g.) and riboflavin (3.18-4.8 γ/g.) decrease 0 and 9-25%, resp., in blanching, 60 and 28%, resp., by sterilization, and 0 and 25%, resp., during storage for 3.5 months. Tomatoes (30.10-32.53 mg. %) lose very little ascorbic acid in the combined processes of slicing, heating and extra, but heating, sterilization and storage for 1 month cause a decrease of 50-65%. Losses by storage for 4 and 6 months in glass containers are 47 and 68%, resp.; in metal, 10 and 30%. Carotene losses take place only in the seeds, of skins and seeds. Riboflavin (0.2292-0.2988 γ/g.) remained practically unchanged by sterilization but 14% of the thiamine (0.7908-0.9141 γ/g.) was lost. W. J. Peterson</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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BUKIN, V.N.; POVOLOTSKAYA, K.L.; KONDRAHOVA, A.A.; SKOROBOGATOVA, Ye.P.

Fluorometric method for the determination of thiamine. Vit. res. i
ikh isp. no.3:91-99 '55. (MLRA 9:4)

(THIAMINE) (FLUORIMETRY)

KONDRASHOVA, L. YA.

N. D. Litvinov and L. Ia. Kondrashova. Experiment on an isothermal equilibrium vapor liquid for a mixture of three volatile components. p. 153

Oct. 26, 1949

SO: Journal of Physical Chemistry, Vol. 25, No. 2 (Feb. 1951)

KONDRASHOVA, M.N.

(2)

The biochemical characteristic of the parabiotic process. M. N. Kondrashova [Lab. of pharmacology of metabolism, Inst. Pharmacol., Rxptl. Chemotherapy, and Chemo-prophylaxis, Acad. Med. Sci. U.S.S.R., Moscow]. *Byull. Eksp. Biol. Med.* 37, No. 1, 40-4(1034).—By subjecting soleus and gastrocnemius muscles of anesthetized animals to stimuli of various intensities it was possible to study the biochem. changes taking place at various degrees of muscular responses. Since the changes involve mainly P, its various fractions were detd. quantitatively: total inorg. (A), total org. (B), adenosinetriphosphoric acid (C), adenosine-diphosphoric acid (D), and phosphocreatine (E). D and E were detd. according to Alekseeva (*C.A.* 45, 7174i) and the myosin method was used for detg. C. During the first phase which was characterized by increased intensity of stimuli and corresponding increased responses B increased and A decreased. The reverse took place during the second phase with decreasing intensity of stimuli. Most characteristic is the B/A ratio. It is above normal during the first phase (nearly 50%) and below during the 2nd (34-84%). The increase of B is due mainly to increased E and to a much smaller degree to C while D practically disappears. The reverse took place during the change to 2nd phase: a sharp decrease of E, a considerable one of C and increase of D almost up to normal. A. Mirkin

KONDRAKHOVA, A. A.

U.S.S.R.

The enzymatic destruction of vitamin B₁. V. N. Butin and A. A. Kondrashova. *Trudy Fiziol. Nauch.-Issledov. Vitamin.* 14(7), 122-7 (1953).—A study was made of the destruction of vitamin B₁ in zola, and in heat-dried rye and wheat bread. Cryst. vitamin B₁ was dissolved in H₂O to concn. 542 mg./100 ml. To 5 g. of glucose 1 ml. of the vitamin soln. was added, heated for 6 min. to 150-170°, rapidly cooled, 100 ml. H₂O added, and vitamin detd. fluorometrically. It was almost completely destroyed. It is suggested that thiamine in the presence of monosaccharides is destroyed in baked products. Slices of rye bread 2-2.5 cm. thick enriched with vitamin B₁ to contain 10.18%/g. of dry substance were heated at 140-150° for 6 hrs. and residual vitamin B₁ was detd. In 3 samples it was 31, 29, and 32% of the original. In practice in the U.S.S.R. the temp. of drying bread for Zwietback was frequently 880-800°. It is assumed that under such conditions and in the presence of sugars, the vitamin B₁ in com. dried bread is completely destroyed. With wheat bread the loss is lower.

B. S. Levine

USSR

Vitamins B₁, B₂, and PP in grain and products of its treatment. K. L. Povolotskaya, A. A. Kondrasheva, O. I. Pushkina, and E. P. Skorobogatova [A. N. Bakh Inst. Biochem., Acad. Sci. U.S.S.R., Moscow]. Biokhim. Zerna, Akad. Nauk S.S.R., Sbornik 2, 179-92 (1954).—Vitamin determinations were made on specimens of grain from wheat, rye, barley, corn, buckwheat, peas, soybeans, sunflower, linseed, and cotton. The highest content of thiamine is in sunflower seed (2.1 mg./kg.), of riboflavin in soybean (3.16), and nicotinic acid in sunflower (58.6), and wheat (81-60), as well as barley (87). The loss of the B vitamins in treatment of the grain varies with the techniques employed; the removal of the seed covers during milling affects the vitamin content of the flour but little. G. M. K.

KONDRASTOVA, N.

Chemical and spectrophotometric methods for determination
of ergosterol A₂ in natural substances. Faculty of

Chemistry, Moscow State University, 1960

Chemical and spectrophotometric methods for determination of
ergosterol A₂ in natural substances. Faculty of

test. N. N. Kondrastova. Izd. 74-81. Biological method
of determination of ergosterol activity. No. 17. 1974.

Chemical and spectrophotometric methods for determination of
ergosterol A₂ in natural substances. Faculty of
Chemistry, Moscow State University, 1960

Microbiological method for determination of
ergosterol. N. I. Pavlovskaia, E. P. Slobodchikov,
N. V. Kondrastova. Izd. 74-81. Biological method
of determination of ergosterol activity. No. 17. 1974.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210009-5

Kutseva, *Ital.*, 100-74. Microbiological method for determination of vitamin B₂. L. S. Kutseva, *Ital.*, 176-81. Chemical method for determination of vitamin B₂. V. V. Kostylev, N. I. Gulyayeva, and N. I. Ovchinnikova, *Ital.*

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210009-5"

Kontrastov, A. A.

✓ Biosynthesis of thiamine, riboflavin, and nicotinic acid
in yeast. A. N. Belk Inst. Biochem., Moscow, No. 8,
E. S. Kostina, and R. P. Skerboogatova (A. N. Belk Inst.
Biochem., Moscow). Biokhim. Zem., Sbornik 1935, No. 8,
146-53.—The addn. to the medium of thiamine, riboflavin,
and nicotinic acid stimulates the synthesis of these substances
in yeast.

Kondashova, A F

Distr: 434 f/482c(1) 7
Number of carbonyl groups in acetylcellulose and their effect on
mechanical properties.

It is difficult to measure the mechanical properties of cellulose gels with a small number of carbonyl groups. It is also difficult to measure the mechanical properties of cellulose gels with a large number of carbonyl groups. The nature of cellulose gels with a small number of carbonyl groups does not show any effect on the mechanical properties of cellulose gels with a large number of carbonyl groups.

Approved by CIA on 06/19/2000 by [Signature]

LASUNOV, N.A., otv. red.; MOROZOVA, M.P., red.; GUTOROVA, V.G.,
red.; ZHILYAYEVA, A.V., red.; KONDRASHOVA, A.M., red.;
OKOROKOVA, A.A., red.; USHAKOVA, P.N., red.

[Regulations for the design, installation and safe opera-
tion of elevators. Compulsory for all ministries and
services] Pravila ustroistva i bezopasnoi ekspluatatsii
liftov. Obiazatel'nyi dlia vsekh ministerstv i vedomstv.
Moskva, Nedra, 1965. 73 p. (MIRA 18:8)

1. Russia (1923.. U.S.S.R.) Komitet po nadzoru za bezopas-
nym vedeniyem rabot v promyshlennosti i gornomu nadzoru.

L 09001-67 EWT(d)/EWP(c)/EWP(v)/EWP(k)/EWP(l) IJP(c)

ACC NR: AP6012157

SOURCE CODE: UR/0413/66/000/007/0073/0073

AUTHORS: Shalikhov, G. S.; Kondrashova, G. P.; Volkov, Ye. S.; Medov, B. P.; Sidnev, N. F.; Luts'ko, S. P.; Snopov, G. A.

45

ORG: none

TITLE: Magnetic flaw detector. Class 42, No. 180391

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 73

TOPIC TAGS: flaw detection, magnetic amplifier, magnetic method

ABSTRACT: This Author Certificate presents a magnetic flaw detector containing a power transformer, electromagnets, a capacitor, and rectifiers through which pulsed discharge of the capacitor is produced, and an automatic circuit controlling the rectifier triggering. Longitudinal magnetization in the automatic circuit is produced by electromagnets, and circular magnetization--by the gating of the pulsed current. To check parts of any size or form with subsequent total demagnetization, the controlled rectifiers are in the form of opposing controlled semiconductor diodes and are connected in the transformer primary and secondary circuits. The control electrodes of the primary diodes are connected to the

UDC: 620.179.141.1/2-

Card 1/2

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824210009-5"

L 09001-67

ACC NR: AP6012157

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capacitor discharge circuit. The control electrodes of the secondary diodes are connected to the automatic circuit. To establish the required strength of the magnetization current and the reversing frequency of the demagnetization current, the automatic circuit contains magnetic amplifiers whose outputs are connected to the control electrodes of the transformer secondary, and the input windings--with a potentiometer.

13/14,
SUB CODE: 13, 28 09/ SUBM DATE: 31Dec64

Card 2/2 nst

KONDRASHOVA, G.P.; LYAMIN, B.N.

Semiautomatic program-controlled line for ultrasonic cleaning
of parts. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i
tekh.inform. 16 no.8:27-29 '63. (MIRA 16:10)

L 46145-66 EWT(m)/EWP(j)/T IJP(c) NW/RM
ACC NR: AP6026738 (A) SOURCE CODE: UR/0183/66/000/003/0042/0043

AUTHOR: Serkov, A. T.; Budnitskiy, G. A.; Chivilikhina, M. P.; Veretennikova, T. P.; Shishkina, N. P.; Kondrashova, I. A.; Muravleva, L. V.; Ordina, V. I.

ORG: VNIIIV

34
B

TITLE: Improving the quality of viscose cord

SOURCE: Khimicheskiye volokna, no. 3, 1966, 42-43

TOPIC TAGS: cellulose, synthetic material, cellulose plastic, synthetic fiber

ABSTRACT: The details of a modified procedure for manufacturing high tensile strength viscose cords are described. In essence, the procedure consists of accelerated processes of coagulation, filtration, and cord forming. It also requires the use of high purity reagents: sulfuric acid (GOST 2184-59), and ethylene oxide- and aliphatic amine derivatives as modifiers. The modified procedure does not require any new machines, only a minor adjustment of the cord spinning procedure. It is claimed that the modified procedure is capable of yielding viscose cords with tensile strength by 50-60% greater than that manufactured elsewhere in the world. Orig. art. has: 2 figures.

SUB CODE: 11/

SUBM DATE: 28Feb66/

ORIG REF: 004

UDC: 677.463

Card 1/1 JAH

KONDRAHOVA, I. K.

YEFREMOVA, O.G.; KOSYREVA, I.K.; KONDRAHOVA, I.K.; KONDRAHOVA, A.P.;
GLIKMAN, S.A.

The number of carboxyl groups in ethylcellulose and their effect on
mechanical properties. Zhur.prikl.khim. 30 no.1:142-148 Ja '57.
(MLRA 10:5)

(Cellulose) (Carboxyl group)

KONDASHOVA, E. N.

KONDASHOVA, E. D. and VASKOV, V. I. "Eradication flying insects in closed rooms by the combustion of materials containing insecticides", Trudy Tsentr. nauch.-issled. dezinfekts. in-ta, Issue 5, 1949, p. 158-70.

So: U-4631, 16 Sept. 53, (Letopis 'Zhurnal' nykt Statey, No. 2., 1949).

KONDRA SHOVA, L. F.

USSR / Plant Diseases. Diseases of Cultivated Plants

N-3

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 22976

Author : Kondrashova, L.F.

Title : Tomato Infection by Macrosporium and Phytofluorine in Southern Sakhalin Environments.

Orig Pub : Soobshch. Sakhalinsk. fil. AN SSSR, 1955, No 2, 16-21

Abstract : Tests were conducted for a 3 year period on varieties of tomatoes in the Sakhalin Affiliate, Academy of Sciences USSR as to resistance against macrosporiosis and phytoflurosis. Of the varieties studied (~ 60) there were none totally resistant to these diseases. Cultivation of seedlings in nutrient cubicles composed of 6 parts of lowland turf, 2 parts of sawdust and 1 part of mullein and the addition of mineral fertilizers (N-0.1 g, P₂O₅ - 0.9 g, K₂O - 0.3 g of active substance to each plant) increased the yield and decreased the number of diseased fruits.

Card : 1/1

POD"YACHEV, N.I.; STOROZHENKO, Yu.G.: KONDRA SHOVA, L.F.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824210009-5"

Effect of mineral fertilizers on potato and vegetable yields in Sakhalin. Soob.Sakhal.fil. AN SSSR no.3:3-15 '56. (MLRA 10:7)
(Sakhalin--Vegetables) (Fertilizers and manures)

KONDRAHOVA, L.F.

Raising common cabbage seedlings in peat-humus pots. Seob.
Sakhal.fil. AS SSSR no.3:27-34 '56. (MLRA 10:?)
(Sakhalin--Cabbage) (Peat)

USSR / Cultivated Plants. Potatoes. Vegetables. Melons. M-3

Approved for Release 06/19/2000 CIA RDP86-00513R000824210009-5

Author : Kondrashova, L. F., Skvortsov, M. P.
Inst : Not given
Title : Cabbage on Sakhalin Island

Orig Pub: Nauka i peredov. opyt v s. kh., 1957,⁷ No 2, 60-61

Abstract: Planting boxes were used to raise the sprouts of early cabbage at the experimental field of the Sakhalin affiliate of the Academy of Sciences USSR in 1950-1952; this increased the cabbage yield by 1-1/2-2 times and speeded up ripening by 13-17 days. A record cabbage crop for Sakhalin was gotten at the Petropavlovsk sovkhoz in Anivskiy Rayon, totaling 1036 centners per ha. The recipes for setting up the planting boxes are presented. -- G. N. Chernov

Card 1/1

Sakhalin Affil, 59
AS USSR

KONDRASHOVA, M.

Comparative study of virus-neutralizing poliomyelitis antibodies in blood of mothers and new-born infants. Vestis Latv ak no.10:101-105 '61.

1. Akademiya nauk Latviyskoy SSR, Institut mikrobiologii.

(ANTIGENS AND ANTIBODIES) (POLIOMYELITIS)

KUKAYN, R. [Kukaine, R.]; INDULEN, M. [Induleña, M.]; KANEL', I. [Kanele, I.];
KONDRASHOVA, M.; KALNINYA, B. [Kalnina, V.]; VOLRAT, A. [Volrate, A.];
FELDMAN, G. [Feldmane, G.]; NAGAYEVA, L.; PAVLOVA, M.; POPOVA, V.

Characteristics of the tuberculin tests in children inoculated
during early infancy with ~~peroral~~ BCG vaccine and live poliomyelitis
vaccine. Vestis Latv ak no.7:115-117 '62.

1. Institut mikrobiologii AN Latviyskoy SSR.

ALEKSANDROVA, M. (Riga); KONDRASHOVA, M. (Riga); KUKAIN, R. [Kukaine,R.]
(Riga)

Antibody neutralizing of the poliomyelitis virus in certain age
groups of Riga inhabitants. Vestis Latv ak no.1:135-144 '60.
(EEAI 9:11)

1. Akademiya nauk Latviyskoy SSR, Institut mikrobiologii.
(LATVIA--POLIOMYELITIS)
(ANTIGENS AND ANTIBODIES)

ALEKSANDROVA, M. (Riga); INDULEN, M.(Riga); KALNIN', B. [Kalinina,B.] (Riga);
KANEL', I. [Kanele, I.] (Riga); KONDRASHOVA, M. (Riga); KUKAIN, R.
[Kukainis,R.] (Riga)

Virological and serologic studies in connection with the inoculation
with live vaccine against poliomyelitis in Latvia; a preliminary
report. Vestis Latv ak no.2:149-152 '60. (EEAI 10:1)

1. Akademiya nauk Latviyskoy SSR, Institut mikrobiologii.
(LATVIA--POLIOMYELITIS)

ALEKSANDROVA, M.; GINTER, V.[Gintere, V.]; INDULEN, M.[Insulena, M.];
KANEL', I.[Kanele, I.]; KONDRASHOVA, M.; KUKAYN, G.[Kukaine, G.]

Virological and serologic studies of live vaccine against polio-
myelitis. Report II. Vestis Latv ak no.6:153-158 '60.
(EEAI 10:9)

(POLIOMYELITIS) (VACCINES AND VACCINATION)

ZAYDINOV, A.M.; KONDRAKOVA, N.I. (Volgograd)

Observations of the house fly as a carrier of intestinal infections. Med. parazit. paraz. bol. 34 no. 5:525-528 8-9 '65.
(MIRA 1961)

1. Submitted January 2, 1964.

KONDRASHOVA, M.N.; LESOGOROVA, M.N.; SHNOL', S.E.

Method of inorganic phosphate determination on molybdate complex
absorption spectra in ultraviolet. Biokhimiia 30 no. 3:567-572
Mysje '65 (MIRA 19el)

1. Biologo-pochvennyy i fizicheskiy fakultety Gosudarstvennogo
universiteta imeni Lomonosova i Institut farmakologii AMN SSSR,
Moskva.

KONDRASHOVA, M.N.; SHABANOVA, I.A.

Synthesis of the sodium salt of B-hydroxybutyric acid from the
acetoacetic ester. Biul. eksp. biol. i med. 51 no.6:104-105
Je '61. (MIRA 15:6)

1. Iz laboratorii biokhimii (zav. - deystvitel'nyy chlen
AMN SSSR S.Ye. Severin) Instituta farmakologii i khimioterapii
(dir. - deystvitel'nyy chlen AMN SSSR V.V. Zakusov) AMN SSSR,
Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR S.Ye.
Severinym.

(BUTYRIC ACID)

KONDRAKOVA, M. N.

Chemical Abst.
Vol. 48 No. 3
Feb. 10, 1954
Biological Chemistry

(4)

Enzymic properties of necrosin (macrocystase) of inflammatory exudates. V. Z. Gorkin and M. N. Kondrashova (Inst. Biol. and Med. Chem., Acad. Med. Sci. U.S.S.R., Moscow). Biokhimiya 18, 288-95 (1953).--Necrosin (I) was obtained from exudates of experimentally produced inflammatory processes in the pleural cavity and subdermal tissues of the dog by injection of turpentine, as well as from purulent exudates obtained from hospitalized cases. After preliminary partial removal of nucleoproteins, the exudates were fractionated by $(\text{NH}_4)_2\text{SO}_4$. The protein fractions thus obtained were freed from sulfate by dialysis, dried, and stored in the cold. They were suspended in 0.9% NaCl and injected intradermally into mice. In the presence of I dermonecrosis appeared at the point of injection. Studies of the proteolytic properties of the purified and unpurified substances were carried out. A soln. of the protein substrate (usually denatured β - + γ -globulins of blood serum) in 0.9% NaCl, buffer, I, and toluene were incubated at 37°. Fixation was by means of trichloroacetic or acetic acid. Amino N was detd. with the Van Slyke app., residual N by micro-Kjeldahl, and unchanged protein by the biuret color reaction. Results were recorded after 24 and 48 hrs. The authors conclude that I of inflammatory exudates is a proteolytic enzyme of the type of trypsin, having an optimum pH 7.7-8.2. It splits a variety of proteins and possesses fibrinolytic properties. In the initial stages of I activity (as well as of crystalline trypsin) on the proteins there appears the process of peptidization with a concomitant high increase in amino N, which starts after a prolonged period of incubation. Metallic cations which impede the proteolytic activity of trypsin have a similar impeding effect upon the protein-splitting power of I. No such effect is observed in the process of protein peptidization by I or by crystalline trypsin. The ability of I to cause dermonecrosis is dependent upon its proteolytic properties. B. S. L.

KONDRAHOVA, M.N.

Biochemical characteristics of the parabiotic process. Biul.eksp.
biol.i med. 37 no.1:40-44 Ja '54. (MLRA 7:3)

1. Iz laboratorii farmakologii obmena veshchestv (zaveduyushchiy -
doktor biologicheskikh nauk K.I.Strachitskiy) Instituta farmakologii,
eksperimental'noy khimioterapii i khimioprofilaktiki Akademii medi-
tsinskikh nauk SSSR, Moskva. (Nerves)

KONDRAHOVA, M.N.

SHNOL', S.B.; KONDRAHOVA, M.N.; SHOL'TS, Kh.P.

Multiphase changes in the adenosinetriphosphatase activity
of actomyosin and myosin preparations related to different
factors. [with summary in English] Vop. med. khim. 3 no.1:54-64
Ja-F '57
(MLRA 10:4)

1. Kafedra meditsinskoy radiologii TSentral'nogo instituta
usovershenstvovaniya vrachey i laboratoriya farmakologii obmena
veshchestv Instituta farmakologii i khimioterapii AMN SSSR,
Moskva.

(ADENOSINETRIHOSPHATASE,
activity of actomyosin & myosin, eff. of various
factors)

(MUSCLE PROTEINS
myosin,
adenylpyrophosphatase activity, eff. of various
factors, actomyosin & myosin)

KONDRAHOVA
KONDRASHOVA M.

Effect of strophanthin K on aerobic phosphorylation of the myocardium
[with summary in English]. Vop.med.khim. 3 no.6:403-408 N-D '57.
(MIRA 11:2)

1. Laboratoriya farmakologii obmena veshchestv Instituta farmakologii
i khimioterapii AMN SSSR, Moskva.
(MYOCARDIUM, metabolism,
phosphorylation, eff. of strophanthin (Rus))
(STROPHANTIN, effects,
on myocardial phosphorylation (Rus))

KONDRAKOVA, M.N., Cand Bio Sci--(diss) "Biochemical and physiological characteristics of certain functional states." Mos, 1950. 14 pp
(Inst of Normal and Pathological Physiology of the Acad Sci USSR),
210 copies (KL,22-58,106)

- 59 -

KONDRAHOVA, M.N.

Increase in muscular working capacity during nerve stimulation and causes of this phenomenon [with summary in English]. Biul.eksp. biol. i med. 46 no.7:43-48 Je '58 (MIRA 11:7)

1. Iz laboratori farmakologii obmena veshchestv Instituta farmakologii (dir. - deystvitel'nyy chlen SSSR V.V. Zakusov), AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR S.Ye.Severinym.

(NERVOUS MUSCLE PREPARATION,
eff. of nerve stimulation of musc. working capacity (Bus))

KONDRASHOVA, M.N.; STRACHITSKIY, K.I. [deceased]

Biochemical changes in the cerebral cortex in puppies during natural
and medical-induced sleep. Vop.med.khim. 5 no.5:323-327 S-0 '59.

1. Biochemical laboratory, Pharmacological Institute and Laboratory
for Age Physiology and Pathology, Physiological Institute of the U.S.
S.R. Academy of Medical Sciences, Moscow.
(CEREBRAL CORTEX metab.)
(SLEEP eff.)

KONDRAHOVA, M.N.

Respiration and glycolysis of muscles in parabiosis. Vop. med. khim.
5 no.6:409-414 N-D '59. (MIRA 13:3)

1. Laboratoriya biokhimii Instituta farmakologii i khimioterapii AMN
SSSR, Moskva.
(MUSCLES physiol.)

ARSHAVSKIY, I.A.; KONDRAHOVA, M.N.

Characteristics and mechanism of true pessimum; analysis of the
nature of inhibition [with summary in English]. *Fiziol. zhur.* 45
no.2:194-202 F '59. (MIRA 12:3)

1. From the laboratory of developmental physiology, Institute of
Normal and Pathologic Physiology, Moscow.
(NERVE MUSCLE PREPARATION,
Vvedenskii's true pessimum phenomenon (Rus))

KONDRASHOVA, M. N., (USSR)

"The Influence of Strophantine-K on
Phosphorylation in Heart Tissue."

Report presented at the 5th Int'l. Biochemistry Congress,
Moscow, 10-16 Aug 1961.

KONDRASHOVA, M.N.; NIKOLAYEVA, L.V.

Action of strophanthin-K on aerobic phosphorylation during its
attenuation by some inhibitors. Vop. med. khim. 7 no.4:363-371
Jl-Ag '61. (MIRA 15:3)

1. Laboratory of Biochemistry of the Institute of Pharmacology,
and Chemotherapy of the Academy of Medical Sciences of the
U.S.S.R. and Chair of Animal Biochemistry of the Moscow State
University.

(STROPHANTHIN)

(PHOSPHORYLATION)

(HEART)

SEVERIN, S.Ye.; KONDRASHOVA, M.N.; NIKOLAYEVA, L.V.

ADP-like effect of k-strophanthin on sarcosome respiration.
Vop. med. Khim. 9 no. 3:319-321 My-Je '63. (MIRA 17:9)

1. Institut farmakologii i khimioterapii AMN SSSR i kafedra
biokhimii zhivotnykh Moskovskogo gosudarstvennogo universiteta
imeni Lomonosova.

KONDRASHOVA, M.N.; Prinimali uchastiye: NIKOLAYEVA, L.V.; SKOKOVA, N.V.;
SLEV, D.M.; TIMOFYEVA, L.M.

Effect of K-strophantin on phosphorylation and respiration of
sarcosomes. Vop. med. Khim. 9 no. 3:273-279 My-Je '63.
(MIRA 17:9)

1. Institut farmakologii i khimioterapii AMN SSSR i kafedra
biokhimii zhivotnykh Moskovskogo gosudarstvennogo universiteta imeni
Lomonosova.

KONDRASHOVA, M.N.; KORNIYENKO, I.A.

Rhythmic form of the muscle activity in response to the constant electric impulsation. Biofizika 10 no.1:56-63 '65.

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR,
Moskva, fizicheskiy fakul'tet Moskovskogo gosudarstvennogo uni-
versiteta imeni Lomonosova i Institut biologicheskoy fiziki AN
SSSR, Moskva. (MIRA 18:5)

KONDRASHOVA, M.N.; NIKOLAYEVA, L.V.

Effect of strophanthin on respiration as a function of the state of the respiratory process. Dokl. AN SSSR 161 no.1: 233-236 Mr '65. (MIRA 18:3)

1. Moskovskiy gosudarstvennyy universitet i Institut farmakologii AMN SSSR. Submitted June 10, 1964.

ACC NR: AT7004077

SOURCE: APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824210009-5

AUTHOR: Yelise'yeva, S. V.; Kondrashova, M. N.

ORG: Department of Animal Biochemistry, MGU (Kafedra biokhimi zhivotnykh MGU); Central Scientific Research Laboratory imeni S. I. Chechulin (Tsentral'naya nauchno-issledovatel'skaya laboratoriya); I MOLMI imeni I. M. Sechenov, Moscow (I MOLMI)

TITLE: An analysis of the toxic effect of oxygen according to reactions of phosphorylizing respiration, and the protective effect of SH-radical donors

SOURCE: Simpozium Struktura i funktsii mitokhondriy. Moscow, 1965. Mitokhondrii; struktura i funktsii (Mitochondria; structure and functions); materialy simpoziuma. Moscow, Izd-vo Nauka, 1966, 155-156

TOPIC TAGS: hypoxia, phosphorylation, ~~mitosis~~, biologic respiration, cell physiology, hyperoxia, toxicology, mouse, oxygen, drug effect

ABSTRACT: Tests were performed to discover methods of eliminating hypoxia and reducing the toxic effect of high concentrations of oxygen. Mitochondria from the livers of white mice were kept in an incubation medium with a normal and an increased oxygen content. A polarographic record of respiration was made, and the pattern of toxic effect was

SEMENOV, S.S.; GUREVICH, B.Ye.; Prinimali uchastiye: KONDRASHOVA, R.K.;
NIKOLAYEVA, A.I.

Hydration of alkenes contained in shale-gasolines from tunnel ovens
for the production of alcohols. Trudy VNIIPS no.7:267-275 '59.
(MIRA 12:9)

(Oil shales) (Gasoline) (Alcohols)

IL'YUSHIN, Aleksey Antonovich; OGIBALOV, Petr Matveyevich; KONDRASHKOVA,
S.F., red.; YERMAKOV, M.S., tekhn.red.

[Elastoplastic deformations of hollow cylinders] Uprugo-plasti-
cheskie deformatsii polykh tsilindrov. Moskva, Izd-vo Mosk.
univ., 1960. 224 p.
(Elastic plates and shells)

15(4)

AUTHORS:

Bogdanov, M. N., Petukhov, B. V.,
Kondrashova, S. M.S/183/59/000/06/006/027
B004/B007TITLE: New Fibers on the Basis of Co-polyesters

PERIODICAL: Khimicheskiy vekloka, 1959, Nr 6, pp 21-24 (USSR)

ABSTRACT: The authors mention the disadvantages of the polystyrene-terephthalate fiber Laysan: bad colorability, stiffness of the fiber produced herefrom. According to Western publications (Refs 2, 3) co-polyesters made from dimethyl-terephthalate (DMT), ethylene glycol and small additions of glycols, di-carboxyl acids or oxyacids do not have these disadvantages. The authors investigated co-polyesters of DMT with p-oxy-ethoxy benzoic acid (OAB). The synthesis of the methyl ester of this acid from p-oxybenzoic acid (Ref 4) worked out by M. N. Bogdanov in cooperation with A. A. Strepikheyev (Deceased) is briefly described. It was carried out in the presence of 0.1% LiOH + Al₂O₃, in the following stages: Reaction of DMT and the methyl ester of OAB with ethylene glycol at 160 to 190°, dis-

Card 1/3

New Fibers on the Basis of Co-polyesters

S/183/59/000/06/006/027
B004/B007

tilling of the excess ethylene glycol at 200 ~ 250°, poly-condensation at 260-275°. Figure 1 shows the influence exerted by the additions of OEB to DMT upon the melting point of the co-polymer. The most favorable effect was produced by additions of up to 10%. The authors investigated such co-polymers with 5 and 10% OEB which they denote as oxon-5 and oxon-10. Synthesis was carried out in the presence of 0.02% zinc acetate. Figure 2 shows that the reaction with ethylene glycol is quicker in the case of oxon-5 and oxon-10 than in that of pure DMT. Table 1 shows the melting temperature and the specific viscosity of the solution of oxon-5 and oxon-10. Both co-polymers were thermographically investigated according to V. O. Gorba-cheva and N. V. Mikhaylov (Ref 6) (Table 2) and showed a lower vitrification temperature than Laysan, but they are less refractory. The fibers produced from oxon-5 and oxon-10 were investigated with respect to the breaking length (32-35 km), breaking elongation (30-41.5%), bending strength (Fig 3) and elastic deformation (Fig 4). The rayon fibers had a softer feel than Laysan but higher shrinkage (15 to 23%). An inves-

Card 2/3

New Fibers on the Basis of Co-polyesters

S/183/59/000/06/006/027
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tigation carried out with a mercury lamp of the type PRK-2 showed a better stability to light, coloring tests with acetate dyes showed better colorability than Laysan (Fig 5). There are 5 figures, 2 tables, and 6 references, 3 of which are Soviet.

ASSOCIATION: VNIIIV - Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna
(All-Union Scientific Research Institute for Synthetic Fibers)

Card 3/3

PETUKHOV, B.V.; KONDRASHOVA, S.M.

Properties of the copolymer of poly-(ethylene terephthalate -
ethylene adipinate) and of the fibers based on it. Khim. volok.
no.1:55-60 '62. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut steklyannogo
volokna.

PETUKHOV, B.V.; KONDRAHOVA, S.M.

Isomorphous substitution in polyethylene terephthalate. Vysokom.
soed. 3 no.5:657-661 My '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna. (Terephthalic acid) (Adipic acid)

PETUKHOV, B.V.; KONDASHOWA, S.M.

Properties of a fiber of terephthalic and hexahydroterephthalic acid copolymers. Khim.volok no.4:10-13 '62. (MIRA 15:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut steklyanogo volokna.
(Textile fibers, Synthetic) (Terephthalic acid)

KONDASHOVA, V.N.

V.V.Gorinevskaja's records. Sov.zdrav. 16 no.11:47-48 N 157.
(MIRA 11:1)

(GORINNEVSKAIA, VALENTINA VALENTINOVNA)

ACC NO: AP5025646

SOURCE CODE: UR/0413/66/000/013/0098/0098
APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824210009-5

INVENTOR: Skrabelinskiy, N. V.; Kuptsova, N. I.; Kondrashova, N. I.; Bol'shikh, A. S.; Sergeev, V. N.; Kokashinskaya, S. Z.

ORG: None

TITLE: A machine for fatigue testing parts or material specimens. Class 42, No. 183456 [announced by the Central Scientific Research Institute of Technology and Machine Building (Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 98

TOPIC TAGS: rotor blade, fatigue test, bend test, tensile test

ABSTRACT: This Author's Certificate introduces a machine for fatigue testing parts or material specimens under the simultaneous effect of bending and tension at high temperatures in special media. Blades to be tested are mounted on a rotating disc located in a test chamber and subjected to oscillatory motion generated by an exciter. The unit is designed to produce axial flexural oscillations of the disc, and also for excitation over a broad frequency range from a few dozen to several thousand cycles per second. Design of the machine is simplified by using an electrodynamic exciter made with a short-circuited rotating coil, a stationary pickup (e. g. a ca-

UDC: 620.178.325.2.002.52

KONDRAKHUK, P. K.

Flax

Machines for processing retted flax. Kolkh. proizv. 12 no. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November, 1952, Uncl.

KONDRAKHUK, P. K.

Flax

Work practice of engineer I. F.
Gagurin in the flax processing
assembly. MTS 12 no. 8, 1952.

Monthly List of Russian Accessions. Library of Congress, November 1952 UNCLASSIFIED

KONDRASHUK, P. K.

KONDRASHUK, P. K. --"Arranging the Flax Trust on Collective Farms." Moscow
Order of Lenin Agricultural Acad imeni K. A. Timiryazev, Moscow, 1954
(Dissertation for the Degree of Candidate in AGricultural Sciences)

SO: Knizhnaya Letopis', No. 35, 1955

ROGASH, A.R., otv. red.; AERAMOV, N.G., red.; KONDRAshuk, P.K.,
red.; DUDAREV, Ye.I., kand. sel'khoz. nauk, red.;
LEBEDEV, Ya.A., kand. sel'khoz. nauk, red.; LISTVIN,
K.S., kand. sel'khoz. nauk, red.; LAPSHINA, O.V., red.

[New facts in fiber plant cultivation; from the trans-
actions of the All-Union Scientific Research Institute on
Flax] Novoe v kul'ture l'na-dolguntsa; iz trudov Vsesoiuz-
nogo nauchno-issledovatel'skogo instituta l'na. Moskva,
Kolos, 1965. 230 p. (MIRA 18:8)

1. Torzhok. Vsesoyuznyy nauchno-issledovatel'skiy institut
l'na.

BOLOTOV, I.N.; KOZYREVA, A.A.; KONDRAKHUK, P.K.; KRYLOV, A.A.; TOLKOVSKIY,
V.A.; KHAYLIS, G.A.; Prinimal uchastiye LEBEDEV, Ya.A.;
GOLOMYSOV, F.S., red.; BARANOVA, L.G., tekhn. red.; FRIDMAN,
Z.L., tekhn. red.

[Over-all mechanization of flax growing] Kompleksnaia mekhaniza-
tsiya l'novodstva. [By] I.N. Bolotov i dr. Leningrad, Sel'khoz-
izdat, 1962. 354 p. (MIRA 16:2)
(Flax processing machinery)

KONDRASKOV, D. I.

USSR/Engineering-Machining

Card : 1/1

Authors : Kondraskov, D. I., Engineer

Title : Boring inaccessible cavities

Periodical : Vest. Mash. 34/5, 51 - 53, May 1954

Abstract : A method of boring in places that are of difficult access is described. A sketch is made of the interior showing the rough dimensions and the lathe operation is performed in accordance with this sketch. Each steps is described in complete detail. Drawings; illustration.

Institution :

Submitted :

KONDRASHOV, D. I.

KONDRASHOV, D. I. -- "High Speed Cutting of Trapezoidal Threads and Worms with Rotary Cutters of Incomplete Profile." (Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Mih Higher Education USSR, L'vov Polytechnic Inst, Khar'kov, 1955.

SO: Knizhnaya Letopis' No. 31; 30 July 1955.

*For the Degree of Candidate in Technical Sciences.

KONDRAK, Jan; MEYER, Jerzy

Piloinidal sinus. Pol. tyg. lek. 19 no. 48:1857-1858 30 N'64.

1. Z 7 Szpitala Marynarki Wojennej.

KONDRAT, Jan; LASINSKI, Wieslaw

Surgical treatment of injuries caused by nuclear energy.
Polski przegl. chir. 29 no.2:107-114 Feb 57.

1. Ze Szpitala Marynarki Wojennej Konsultant: prof. dr.
Z. Kieturakis. Adres autora: Gdansk-Oliwa, Szpital Marynarki
Wojennej.
(ATOMIC WARFARE,
causing inj., surg. (Pol))

KONDRAK

LASINSKI, Wieslaw; KONDRAT, Jan

Post-traumatic diabetes insipidus. Polski przegl. chir. 29 no.2:
115-120 Feb 57.

1. Ze Szpitala Marynarki Wojennej Konsultant: prof. dr.
Z. Kieturakie. Adres: autora: Gdańsk-Oliwa, Szpital Marynarki
Wojennej.

(DIABETES INSIPIDUS, case report
traum. (Pol))

KONDRAAT, K.I.

124-1957-2-1858

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 56 (USSR)

AUTHOR: Kondrat, K. I.

TITLE: The Induced Velocities of Vortex Lines of Arbitrary Form
(Induktivnyye skorosti vikhrevykh shnurov lyuboy formy)

PERIODICAL: Tr. Leningr. in-ta aviats. priborostroyeniya, 1953, Nr 4,
pp 3-15

ABSTRACT: The paper covers the determination of the velocity produced
by a curved vortex filament of arbitrary form and of variable intensity
at any point of the filament. In order to solve the problem, a method
by A.A. Dorodnitsyn (Prikl. matem. i mekhanika, 1944, Vol 8,
Nr 1, pp 33-63) is used. The solution is attained with the use of
the Biot-Savard formula for a point situated at a small distance
 ξ from the axis of the filament, and by eliminating the singularity
obtaining for $\xi \rightarrow 0$.

Bibliography: 6 references.

A.I. Borisenko

1. Dynamics 2. Mathematics

Card 1/1

Kondrat, K.I.

124-1957-10-11374

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 29 (USSR)

AUTHOR: Kondrat, K. I.

TITLE: Induced Velocities of Attached Vortices of an Air Screw with Non-radial Blades (Induktivnyye skorosti prisoyedinennykh vikhrey vinta s neradial'nymi lopastyami)

PERIODICAL: Tr. Leningr. in-ta aviats. priborostr., 1956, Nr 13, pp 3-20

ABSTRACT: The paper describes a calculation of the velocity induced by a curvilinear lifting vortex replacing the non-radial blade of an air screw. The formulas obtained are useless for practical calculations, since the velocity on the lifting vortex becomes infinity. The introduction of a finite vortex thickness does not help, because the radius of the vortex core remains unknown. From wing theory it is known that in these cases the scheme of the lifting vortex can be used only with limited transition from the lifting vortex surface to the lifting vortex (see Dorodnitsin, A. A, Prikl. matem. i mehanika, 1944, Vol 8, Nr 1).

G. I. Maykapar

Card 1/1

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 28 (USSR)

AUTHOR: Kondrat, K. I.

TITLE: Approximate Calculation Method for the Induced Velocities of the Free Vortices of a Propeller With Nonradial Blades (Priblizhennyi metod vychisleniya induktivnykh skorostey svobodnykh vikhrey vinta s neradial'nyimi lopastyami)

PERIODICAL: Tr. Leningr. in-ta aviats. priborostr., 1956, Nr 13, pp 21-40

ABSTRACT: In the case of nonradial blades, the axes of which are located on helicoidal surfaces (the author designates such propellers as "rational"), the computation of the velocities induced by the free vortices is reduced to the evaluation of the supplementary velocities due to those regions of the propeller vortices that are located between the blade axis and a certain mean radial straight line. In order to compute the supplementary velocity the author employs the expansions previously applied by N. N. Polyakov and, additionally, an expansion of $\sin \vartheta$ and $\cos \vartheta$ according to powers of ϑ . Having concluded that the basic part of the induced velocity consists of the first terms of the expansions, which represent the velocity due to a propeller

Card 1/2

Kondrat, K.I.

124-1957-10-11632

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 62 (USSR)

AUTHOR: Kondrat, K.I.

TITLE: A Basic Integral-Differential Equation for a Propeller With Non-radial Blades (Osnovnoye integrodifferentsial'noye uravneniye vinta s neradial'nymi lopastyami)

PERIODICAL: Tr. Leningr. in-t aviats. priborostr., 1956, Nr 14, pp 46-62

ABSTRACT: Using the results of previous works (Tr. Leningr. in-ta aviats. priborostr., 1954, Nr 10, 1956, Nr 13) the Author derives an integral-differential equation for determining the circulation. The calculations that are carried out show that the effect of the non-radial position of the blades on the induced velocity may be disregarded in the calculation of the circulation.

G. I. Maykapar

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Translation from: Referativnyy zhurnal, Mekhanika, 1959, Nr 7, p 41 (USSR)

AUTHOR: Kondrat, K.I.

TITLE: A Check Calculation of the Aerodynamics of a Lifting Propeller Having Non-radial Blades

PERIODICAL: Tr. Leningr. in-t aviats. priborostr., 1958, Nr 26, pp 28 - 40

ABSTRACT: The results from calculating the aerodynamics of American propellers are cited, for which the data of flight tests are known.

G.I. Maykapar

KONDRAT, Wanda; SZTABA, Romuald

Plastic repair of giant ventral hernia consecutive to spontaneous cure of umbilical hernia. Polski przegl. chir. 29 no.2:141-145 Feb 57.

1. Z Oddzialu Chirurgii Dziecięcej A.M.G. Kierownik: z-ca prof.
R. Sztaba. Adres autora: Gdańsk, ul. Swierczewskiego 1-6.

(HERNIA, UMBILICAL, case reports,
spontaneous cure in adolescent followed by ventral
hernia, plastic repair (Pol))

(HERNIA, VENTRAL, case reports,
in adolescent, after spontaneous cure of umbilical
hernia (Pol))

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Congenital obstruction of the choledochus in newborn infant. Polski
przegl. chir. 29 no.7:713-716 July 57.

1. Z Oddzialu Chirurgii Dzieciecej A. M. w Gdansku. Kierownik: s-qa
profesora R. Sztaba.
(BILE DUCT, -DISEASES,
obstruct., congen. in newborn (Pol))

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26-41 1958.

1. Z Oddzialu Chirurgii Dzieciecej AM w Gdansku (Kierownik: z-cz prof.
dr. med. R. Sztaba) i z Kliniki Chirurgii Dzieciecej AM w Warszawie
(Kierownik: prof. dr med. J. Kossakowski).

(PYLORUS, stenosis,
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dr R. Sztaba.

(ENDOCARDITIS BACTERIAL) (FEMORAL ARTERY)
(ANEURYSM)

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Cardial insufficiency in infants. Pediat. pol. 38 no.10:875-
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med. R. Sztaba i z Kliniki Radiologii i Radioterapii AM w
Gdańsku Kierownik: prof. dr med. W. Grabowski[deceased].

(VOMITING) (CARDIOSPASM)
(DIAPHRAGMATIC HERNIA)
(RADIOGRAPHY)

KONDRAT, Wanda

Intestinal invagination in newborn infants. Pediat. Pol. 39
no.10s1231-1233 0 '64

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(Kierownik: dr. med. R. Sztaba).

KONDRAK, Wanda; LABUN, Edmund; SEPIOLO, Janusz

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309-310 1 Mr'65.

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dr. med. Romuald Sztaba).